

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-15 (Canceled).

Claim 16 (Previously Presented): A security thread comprising an insulating support bearing a flexible integrated circuit comprising a semiconductive organic polymer, provided with electrical contacts for the integrated circuit.

Claims 17-38 (Canceled).

Claim 39 (Previously Presented): The substrate according to claim 16, wherein the organic polymer is selected from conjugated polymers.

Claim 40 (Previously Presented): The substrate according to claim 16, wherein the organic polymer is selected from oligomeric pentacene, poly(thienylene vinylene) or poly-3 alkylthiophene.

Claim 41 (Previously Presented): The substrate according to Claim 16, wherein the integrated circuit is a contactlessly readable integrated circuit which can be read in an inductive or capacitive manner.

Claim 42 (Previously Presented): The substrate according to Claim 16, wherein the integrated circuit forms part of an optical active element.

Claim 43 (Previously Presented): The substrate according to claim 16, wherein the integrated circuit comprises a preprogrammed code which is applied before incorporating the circuit in the substrate.

Claim 44 (Currently Amended): A substrate according to claim [[15]] 16, wherein the integrated circuit comprises a code of an intrinsic property of the substrate, which code, after the substrate has been produced, is arranged in the integrated circuit.

Claim 45 (Previously Presented): The substrate according to claim 43, wherein the code is an encrypted code.

Claim 46 (Previously Presented): The substrate according to claim 16, wherein the substrate comprises additional security features.

Claim 47 (Previously Presented): The substrate according to claim 46, wherein an additional security feature is selected from a dye, fluorescent material, luminescent material or phosphorescent material.

Claims 48-59 (Canceled).

Claim 60 (Previously Presented): The substrate according to Claim 16, which further comprises an insulating layer on said semiconductive organic polymer.

Claim 61 (Canceled).

BASIS FOR THE AMENDMENT

Claims 16, 39-47 and 60 are active in the present application. Claims 16, 39-43, 45-47 and 60 are allowed. Claim 44 has been amended to correct a typographical error. Claim 44 is now dependent on allowed Claim 16. Claims 1-15, 17-38, 48-59 and 61 are canceled without prejudice or disclaimer of subject matter.

REQUEST FOR RECONSIDERATION

Applicants thank Examiner Fureman for the indication in the Office Action of March 17, 2004, that Claims 16, 39-43, 45-47 and 60 are allowed. The only remaining pending claims in this case after entry of the present amendment will be those claims identified as allowable by the Examiner and Claim 44, amended to depend from allowed Claim 16.

Applicants submit the amendment to the claims places all now-pending claims in condition for allowance. Applicants respectfully request the passage of all now-pending claims to Issue.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.
Norman F. Oblon



22850

Tel: (703) 413-3000
Fax: (703) 413 -2220

NFO:SUK\la

A handwritten signature in black ink, appearing to read "Stefan U. Koschmieder".

Stefan U. Koschmieder, Ph.D.
Registration No. 50,238